

Listing of Claims:

Claims 1-4 (Canceled).

5. (Previously Presented) A method of detecting fatigue crack in a base material, said method comprising:

(a) preparing a paste in which particles having a hardness not less than a hardness of the base material and an oil having
5 viscosity are mixed with each other;

(b) applying said paste to a desired portion of said base material; and

(c) detecting fatigue crack based on a change in color generated by movement of base material powder to a surface of
10 said paste, said base material powder being produced when said base material at a surface of the fatigue crack is ground in contact with said particles due to opening and closing of the fatigue crack in said base material.

6. (Previously Presented) A method of detecting fatigue crack according to claim 5, wherein said particles comprise light-colored ceramics including white ceramics.

7. (Previously Presented) A method of detecting fatigue crack according to claim 5, wherein preparing the paste

comprises:

adjusting the oil to have a viscosity of 5,000 centipoises
5 to 15,000 centipoises; and
mixing said particles into the adjusted oil.

8. (Previously Presented) A method of detecting fatigue
crack according to claim 6, wherein preparing the paste
comprises:

adjusting the oil to have a viscosity of 5,000 centipoises
5 to 15,000 centipoises; and
mixing said particles into the adjusted oil.

9. (Currently Amended) A paste to be applied to a desired
portion of a base material for at least one of restraining
fatigue crack growth in said base material and detecting fatigue
crack in said base material, said paste comprising:

5 particles having diameters of 2 μm to 40 μm , said particles
comprising ~~a material~~ light-colored ceramics including white
ceramics and having Vickers hardness of not less than 200 Hv; and
an oil having a viscosity of 5,000 centipoises to 15,000
centipoises;

10 wherein said particles and said oil are mixed with each
other.

Application Serial No. 10/563,412
Response to Office Action

Customer No. 01933

Claim 10 (Canceled).

11. (Previously Presented) A paste according to claim 9,
wherein said oil comprises silicone grease.

Claim 12 (Canceled).